

Comparisons of Job Characteristics

Focus Occupation: [Airfield Operations Specialists \(53-2022\)](#)

Associated Occupation: [Airline Pilots, Copilots, and Flight Engineers \(53-2011\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 69

Focus Occupation: Airfield Operations Specialists (53-2022)
Associated Occupation: Airline Pilots, Copilots, and Flight Engineers (53-2011)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Transportation	4.6	23.1	12.7	<<	Extensive education and/or training may be required
Public Safety and Security	6.9	15.8	11.6	<<	Extensive education and/or training may be required
Geography	3.9	15.7	9.6	<<	Extensive education and/or training may be required
Physics	4.3	12.3	7.2	<<	Extensive education and/or training may be required
Psychology	6.4	12.2	8.3	<<	Extensive education and/or training may be required
Mathematics	9.2	11.2	9.5	<	Expanded education and/or training may be required
Law and Government	5.9	10.7	8.5	<	Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 58

Focus Occupation: Airfield Operations Specialists (53-2022)
Associated Occupation: Airline Pilots, Copilots, and Flight Engineers (53-2011)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Operation and Control	5.4	23.0	7.3	<<	Extensive development of skills in this area may be required
Operation Monitoring	6.6	18.7	8.1	<<	Extensive development of skills in this area may be required

Judgment and Decision Making	9.4	15.2	9.7	<<	Extensive development of skills in this area may be required
Critical Thinking	10.8	15.0	11.2	<<	Extensive development of skills in this area may be required
Complex Problem Solving	9.1	13.3	10.3	<<	Extensive development of skills in this area may be required
Coordination	9.1	12.3	10.7	<	A higher skill level may be required
Time Management	8.9	11.8	9.2	<	A higher skill level may be required
Mathematics	6.2	10.7	3.7	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 67

Focus Occupation: Airfield Operations Specialists (53-2022)
Associated Occupation: Airline Pilots, Copilots, and Flight Engineers (53-2011)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Response Orientation	4.0	20.6	3.2	<<	Extensive improvement in abilities may be required
Far Vision	7.8	18.3	10.3	<<	Extensive improvement in abilities may be required
Spatial Orientation	2.7	16.9	4.4	<<	Extensive improvement in abilities may be required
Rate Control	3.8	16.1	2.8	<<	Extensive improvement in abilities may be required
Depth Perception	5.3	15.9	7.1	<<	Extensive improvement in abilities may be required
Reaction Time	4.8	15.7	3.1	<<	Extensive improvement in abilities may be required
Selective Attention	8.7	15.0	10.2	<<	Extensive improvement in abilities may be required
Time Sharing	6.6	13.8	7.5	<<	Extensive improvement in abilities may be required
Night Vision	2.1	11.5	3.6	<<	Extensive improvement in abilities may be required
Peripheral Vision	2.2	11.4	3.4	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 83

Focus Occupation: Airfield Operations Specialists (53-2022)
Associated Occupation: Airline Pilots, Copilots, and Flight Engineers (53-2011)

Work Activities	Exclusivity of Activity
Conduct preflight or in-flight tests or checks of aircraft equipment	92
Direct and coordinate activities of workers or staff	3
Understand English for aviation communications	89
Use aircraft safety regulations	85
Use two-way radio or mobile phone	42

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

Focus Occupation: Airfield Operations Specialists (53-2022)
Associated Occupation: Airline Pilots, Copilots, and Flight Engineers (53-2011)

Tools and Technologies	Exclusivity
Tools and technology data is unavailable for one or both occupations.	

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.